

INTERNATIONALSEARCHREPORT

International application No.

PCT/JP2004/017537

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G09F9/00, H05B33/10, G02F1/1333

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G09F9/00-9/46, H05B33/00-33/14, G02F1/1333-1/1347, H02B5/20-5/28

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2005, Japanese Registered Utility Model Gazette 1994-2005, Japanese Gazette Containing the Utility Model 1996-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2001-075124 A (TOPPAN PRINTING CO., LTD.) 2001.03.23 whole document (family:none)	1-34
A	JP 2003-195787 A (SEMICONDUCTOR ENERGY LABORATORY CO., LTD.) 2003.07.09 whole document & US 2003032210 A1 & CN 1397984 A	1-34
A	JP 2001-290439 A (SEMICONDUCTOR ENERGY LABORATORY CO., LTD.) 2001.10.19 whole document & US 2001040645 A1 & EP 1122794 A2 & CN 1312590 A & TW 494447 B	1-34
A	JP 2003-318195 A (RICOH COMPANY, LTD.) 2003.11.07 whole document & US 2003223138 A1	1-34



Further documents are listed in the continuation of Box C.



See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

22.02.2005

Date of mailing of the international search report

08.3.2005

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2003-031778 A (SEIKO EPSON CORPORATION) 2003.01.31 whole document (family:none)	1-34
A	JP 2002-341131 A (NITTO DENKO CORPORATION) 2002.11.27 whole document (family:none)	1-34